

Lightsource Test Report

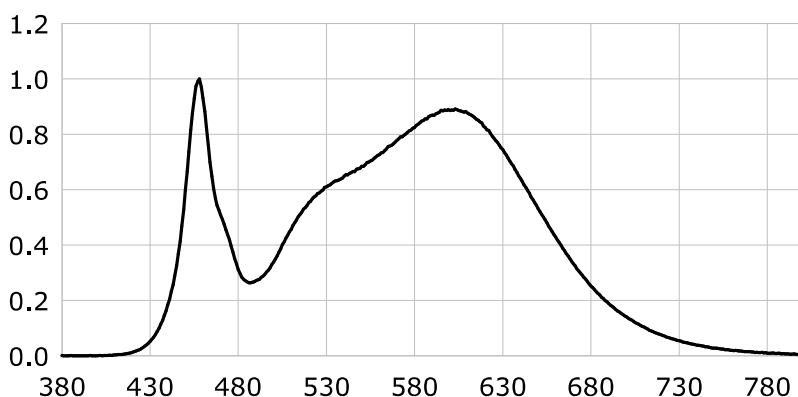
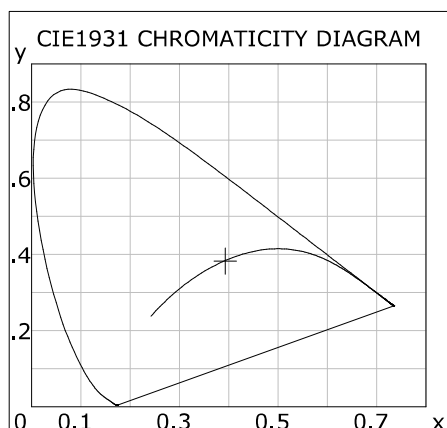
Product Information

Product Type: LED
Product Number: 1

Product Spec: FG 50 3x25LED 0,3A 30W
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3931$ $y=0.3826$ $u(u')=0.2311$ $v=0.3373$ $v'=0.5060$
CCT: $T_c=3718K$ ($duv=-0.00074$) Color Ratio: $R=0.199$ $G=0.764$ $B=0.037$
Peak Wavelength: 457.7nm Half Bandwidth: 22.1nm
Dominant Wavelength: 580.5nm Color Purity: 0.328
CRI: $R_a=85.9$ TM30: $R_f=82$, $R_g=94$
 $R1=86$ $R2=93$ $R3=96$ $R4=83$ $R5=84$ $R6=90$ $R7=86$ $R8=69$
 $R9=26$ $R10=82$ $R11=81$ $R12=62$ $R13=88$ $R14=98$ $R15=81$
Color Quality Scale: $Q_a=84.4$, $Q_f=84.6$, $Q_p=84.0$, $Q_g=93.0$
 $Q1=83$ $Q2=97$ $Q3=82$ $Q4=76$ $Q5=80$ $Q6=82$ $Q7=87$ $Q8=90$
 $Q9=98$ $Q10=92$ $Q11=88$ $Q12=87$ $Q13=87$ $Q14=78$ $Q15=80$



Photometric Parameters

Luminous Flux: 8195.53 lm
EEI: 0.09

Efficiency: 147.08 lm/W

Radiant Power: 25.396 W

Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 220.00V
Power Factor: 0.9890

Current: 0.2560A
Frequency: 49.99Hz

Power: 55.72W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 54261 (3157)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 97.99 ms

Condition: $T_x=26.1^\circ C$, $T_i=25.0^\circ C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-04-28 12:48:42
Inspector: